

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

PB 03 0003

First Inventor

Oguz Tanrikulu

Title

METHODS AND APPARATUS FOR IMPROVING THE  
QUALITY OF SPEECH SIGNALS

Express Mail Label No.

ET 75 7952 011 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 49]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 14]
5. Oath or Declaration [Total Sheets 4]
- a. ☒ Unexecuted copy of Declaration
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information:

Examiner

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

Customer Number:

OR



Correspondence address below

Name

Kenneth J. Rudofski

Address

Tellabs Operations, Inc.

1415 West Diehl Road, MS 16

City

Naperville

State

Illinois

Zip Code

60563

Country

United States

Telephone

630-798-3021

Fax

630-798-3231

Name (Print/Type)

Kenneth J. Rudofski

Registration No. (Attorney/Agent)

35,997

Signature

Date

October 22, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17548 U.S. PTO  
10/691219

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1,774.00

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | To be assigned   |
| Filing Date          | Herewith         |
| First Named Inventor | Oguz Tanrikulu   |
| Examiner Name        | Not yet assigned |
| Art Unit             | Not yet assigned |
| Attorney Docket No.  | PB 03 0003       |

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

500-654

Tellabs Operations, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description        | Fee Paid     |
|-------------------------------|-------------------------------|------------------------|--------------|
| 1001 770                      | 2001 385                      | Utility filing fee     | 770.00       |
| 1002 340                      | 2002 170                      | Design filing fee      |              |
| 1003 530                      | 2003 265                      | Plant filing fee       |              |
| 1004 770                      | 2004 385                      | Reissue filing fee     |              |
| 1005 160                      | 2005 80                       | Provisional filing fee |              |
| SUBTOTAL (1)                  |                               |                        | (\$ ) 770.00 |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 71                 | -20** = 51   | 18             | 918      |
| 4                  | -3** = 1     | 86             | 86       |
| Multiple Dependent |              |                |          |

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  |
|-------------------------------|-------------------------------|--|
| 1202 18                       | 2202 9                        | Claims in excess of 20                                     |
| 1201 86                       | 2201 43                       | Independent claims in excess of 3                          |
| 1203 290                      | 2203 145                      | Multiple dependent claim, if not paid                      |
| 1204 86                       | 2204 43                       | ** Reissue independent claims over original patent         |
| 1205 18                       | 2205 9                        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ ) 1,004.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**


| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 1051 130                      | 2051 65                       | Surcharge - late filing fee or oath  |          |
| 1052 50                       | 2052 25                       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                      | 1053 130                      | Non-English specification  |          |
| 1812 2,520                    | 1812 2,520                    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*                     | 1804 920*                     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                   | 1805 1,840*                   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                      | 2251 55                       | Extension for reply within first month                                     |          |
| 1252 420                      | 2252 210                      | Extension for reply within second month                                    |          |
| 1253 950                      | 2253 475                      | Extension for reply within third month                                     |          |
| 1254 1,480                    | 2254 740                      | Extension for reply within fourth month                                    |          |
| 1255 2,010                    | 2255 1,005                    | Extension for reply within fifth month                                     |          |
| 1401 330                      | 2401 165                      | Notice of Appeal   |          |
| 1402 330                      | 2402 165                      | Filing a brief in support of an appeal                                     |          |
| 1403 290                      | 2403 145                      | Request for oral hearing   |          |
| 1451 1,510                    | 1451 1,510                    | Petition to institute a public use proceeding                              |          |
| 1452 110                      | 2452 55                       | Petition to revive - unavoidable   |          |
| 1453 1,330                    | 2453 665                      | Petition to revive - unintentional   |          |
| 1501 1,330                    | 2501 665                      | Utility issue fee (or reissue)   |          |
| 1502 480                      | 2502 240                      | Design issue fee   |          |
| 1503 640                      | 2503 320                      | Plant issue fee  |          |
| 1460 130                      | 1460 130                      | Petitions to the Commissioner  |          |
| 1807 50                       | 1807 50                       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180                      | 1806 180                      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                       | 8021 40                       | Recording each patent assignment per property (times number of properties) |          |
| 1809 770                      | 2809 385                      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 770                      | 2810 385                      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 770                      | 2801 385                      | Request for Continued Examination (RCE)                                    |          |
| 1802 900                      | 1802 900                      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ )

**SUBMITTED BY**

|                   |   |                                   |                  |           |              |
|-------------------|---|-----------------------------------|------------------|-----------|--------------|
| Name (Print/Type) | Kenneth J. Budofski   | Registration No. (Attorney/Agent) | 35,997           | Telephone | 630-798-3021 |
| Signature         |  | Date                              | October 22, 2003 |           |              |

(Complete if applicable)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor      Oguz Tanrikulu

Title      Methods and Apparatus for Improving the Quality of  
Speech Signals

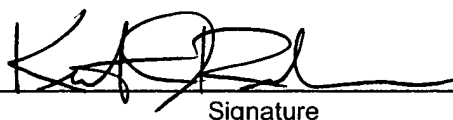
Attorney Docket Number      PB 03 0003

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

October 22, 2003

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature

630-798-3021

\_\_\_\_\_  
Telephone number

Kenneth J. Rudofski

\_\_\_\_\_  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of: )  
                   Oguz Tanrikulu )  
   )  
 Serial No.:      To Be Assigned )  
   )  
   )  
 Filed:            Herewith )  
   )  
   )  
 For:    METHODS AND APPARATUS FOR IMPROVING )  
           THE QUALITY OF SPEECH SIGNALS )  
   )  
   )

Mail Stop Patent Application  
 Commissioner for Patents  
 P. O. Box 1450  
 Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Dear Sir:

"Express Mail" Mailing Label Number:   ET 75 7952 011 US  
 Date of Deposit:                            October 22, 2003  
 Patent Application of:                    Oguz Tanrikulu  
 Tellabs Docket No.:                       PB 03 0003  
 Title of Patent Application:           METHODS AND APPARATUS FOR IMPROVING  
   THE QUALITY OF SPEECH SIGNALS

- X     Utility Patent Application Transmittal including Specification  
           (   49   pages and   14   drawing sheets)  
  X     Fee Transmittal for FY 2004 – in duplicate  
  X     Unexecuted Declaration for Utility or Design Patent Application (37 CFR 1.63)  
           And Power of Attorney (combined)  
  X     Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)  
  X     Certificate of Mailing by "Express Mail"  
  X     Postage Paid Return Receipt Post Card  
  X     Transmittal Letter

I hereby certify that the above-identified and attached papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below, and are addressed to Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Date: October 23, 2003

By:

Janet Missig  
 Janet Missig



Kenneth J. Rudofski  
Assistant General Counsel,  
Intellectual Property

One Tellabs Center  
1415 West Diehl Road  
Naperville, IL 60563 U.S.A.  
Tel: +1.630.798.3021  
Fax: +1.630.798.3231

October 22, 2003

Tellabs Docket No.: PB 03 0003

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Presented for filing is a patent application of:

Applicant: Oguz Tanrikulu

Title: METHODS AND APPARATUS FOR IMPROVING  
THE QUALITY OF SPEECH SIGNALS

Enclosed are the following papers, including those required to receive a filing date under 37 CFR § 1.53(b):

- a. Utility Patent Application Transmittal including Specification ( 49 pages) and 14 drawing sheets
- b. Fee Transmittal for FY 2004 – in duplicate
- c. Unexecuted Declaration for Utility or Design Patent Application (37 CFR 1.63) And Power of Attorney (combined)
- d. Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)
- e. Certificate of Mailing by "Express Mail"
- f. Express Label No. ET 75 7952 011 US deposited on October 22, 2003
- g. Postage Paid Return Receipt Post Card

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

Kenneth J. Rudofski  
Tellabs Operations, Inc.  
1415 West Diehl Road, MS 16  
Naperville, IL 60563

Respectfully submitted,

Kenneth J. Rudofski

Enclosures

Mail Stop Patent Application - Commissioner for Patents  
Docket No. PB 03 0003 Inventor: O.Tanrikulu  
Re: Tellabs Operations, Inc. (Oguz Tanrikulu)  
Title: METHODS AND APPARATUS FOR IMPROVING THE QUALITY OF SPEECH SIGNALS

Sir:

Please place the Patent Office receipt stamp hereon to acknowledge receipt of the following papers:

- ☒ Utility Patent Application Transmittal including Specification (49 pages) and 14 drawing sheets
- ☒ Fee Transmittal for FY 2004 - in duplicate
- ☒ Unexecuted Declaration for Utility or Design Patent Application (37 CFR 1.63) and Power of Attorney (combined)
- ☒ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)
- ☒ Certificate of Mailing by "Express Mail"  
Express Mail Label No. 75 7952 011 US  
Express Mail Deposit Date: October 22, 2003
- ☒ Postage Paid Return Receipt Post Card
- ☒ Transmittal Letter
- ☒ Fee to be withdrawn from Applicant's Deposit Account

I hereby certify that the above-identified and attached papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below, and are addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. (Express Mail No. ET75 7952 011 US).

Date: 10/22/03

By:

Janet Missig  
Janet Missig